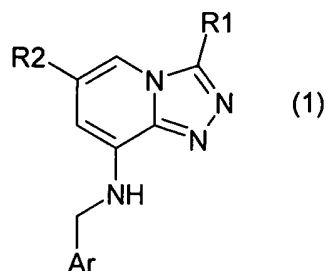


Appendix A **AP20 Rec'd PCT/PTO 11 AUG 2006**

Claim Amendments

1. (Currently amended) A compound of the formula 1



where

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl or fluoro-1-4C-alkyl,

R2 is halogen, fluoro-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, carboxyl, cyano, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, amino-1-4C-alkyl, mono- or di-1-4C-alkylamino-1-4C-alkyl, the radical Res-1-4C-alkyl or the radical -CO-NR31R32,

where

Res is a imidazo, morpholino, aziridino, azetidino, pyrrolidino, pyrrolo, piperidino, piperazino or a with R30 substituted benzylamino radical and the

radical Res is bonded via its nitrogen atom or one of its nitrogen atoms to the 1-4C-alkyl radical, where

R30 is 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen or hydroxy,

R31 is hydrogen, hydroxyl, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, piperidino, piperazino, N-1-4C-alkylpiperazino, morpholino, aziridino or azetidino group,

Ar is ~~one with~~ R4, R5, R6 and R7 substituted mono- or bicyclic aromatic residue selected from the group consisting of phenyl, naphthyl, pyrrolyl, pyrazolyl, imidazolyl, 1,2,3-triazolyl, indolyl, benzimidazolyl, furyl, benzofuryl, thienyl, benzothienyl, thiazolyl,

isoxazolyl, pyridinyl, pyrimidinyl, chinolinyl and  
isochinolinyl,

wherein

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen, hydroxy, aryl, aryl-1-4C-alkyl, aryl-oxy, aryl-1-4C-alkoxy, fluoro-1-4C-alkyl, nitro, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylcarbonylamino, 1-4C-alkoxycarbonylamino, 1-4C-alkoxy-1-4C-alkoxycarbonylamino or sulfonyl,

R5 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen, hydroxy, aryl, aryl-1-4C-alkyl, aryl-oxy, aryl-1-4C-alkoxy, fluoro-1-4C-alkyl, nitro, amino, mono- or di-1-4C-alkylamino, 1-4C-alkylcarbonylamino, 1-4C-alkoxycarbonylamino, 1-4C-alkoxy-1-4C-alkoxycarbonylamino or sulfonyl,

R6 is hydrogen, 1-4C-alkyl or halogen and

R7 is hydrogen, 1-4C-alkyl or halogen,

wherein

aryl is phenyl or substituted phenyl with one, two or three same or different substituents selected from the group consisting of 1-4C-alkyl, 1-4C-alkoxy, carboxy, 1-4C-alkoxycarbonyl, halogen, trifluoromethyl, nitro, trifluoromethoxy, hydroxy and cyano, [[.]]

with the proviso that, in the case when Ar is not a 2-ethyl-6-methyl-phenyl radical, R1 does not have the meaning hydrogen or 1-4C-alkyl when R2 has the meaning halogen or fluoro-1-4C-alkyl,

or a salt thereof

~~and its salts.~~

2. (Currently amended) A compound of the formula 1 as claimed in claim 1,

where

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl or fluoro-1-4C-alkyl,

R2 is halogen, fluoro-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, carboxyl, cyano, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl,

amino-1-4C-alkyl, mono- or di-1-4C-alkylamino-1-4C-alkyl, the radical Res-1-4C-alkyl or the radical -CO-NR31R32,

where

Res is a imidazo, morpholino, aziridino, azetidino, pyrrolidino, pyrrolo, piperidino, piperazino or a with R30 substituted benzylamino radical and the radical Res is bonded via its nitrogen atom or one of its nitrogen atoms to the 1-4C-alkyl radical, where

R30 is 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen or hydroxy,

R31 is hydrogen, hydroxyl, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, piperidino,

piperazino, N-1-4C-alkylpiperazino, morpholino,  
aziridino or azetidino group,

Ar is ~~a one with~~ R4, R5, R6 and R7 substituted mono- or  
bicyclic aromatic residue selected from the group  
consisting of phenyl, naphthyl, pyrrolyl, pyrazolyl,  
imidazolyl, 1,2,3-triazolyl, indolyl, benzimidazolyl,  
furyl, benzofuryl, thienyl, benzothienyl, thiazolyl,  
isoxazolyl, pyridinyl, pyrimidinyl, chinolinyl and  
isochinolinyl,

wherein

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-  
alkoxy, halogen or fluoro-1-4C alkyl,

R5 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-  
alkoxy, halogen or fluoro-1-4C alkyl,

R6 is hydrogen,

R7 is hydrogen,

with the proviso that, in the case when Ar is not a 2-  
ethyl-6-methyl-phenyl radical, R1 does not have the meaning  
hydrogen or 1-4C-alkyl when R2 has the meaning halogen or  
fluoro-1-4C-alkyl,

or a salt thereof

~~and its salts.~~

3. (Currently amended) A compound of the formula 1 as claimed in claim 1,

where

R1 is 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl or fluoro-1-4C-alkyl,

R2 is carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, amino-1-4C-alkyl, mono- or di-1-4C-alkylamino-1-4C-alkyl, the radical Res-1-4C-alkyl or the radical -CO-NR31R32,

where

Res is a imidazo, morpholino, aziridino, azetidino, pyrrolidino, pyrrolo, piperidino or piperazino radical and the radical Res is bonded via its nitrogen atom or one of its nitrogen atoms to the 1-4C-alkyl radical,

R31 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R32 is hydrogen, 1-7C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

Ar is a ~~one with~~ R4, R5, R6 and R7 substituted monocyclic aromatic residue selected from the group consisting of phenyl, pyridinyl, thiophenyl, furanyl and pyrrolyl,

wherein

R4 is hydrogen, 1-4C-alkyl, halogen or fluoro-1-4C-alkyl,

R5 is hydrogen, 1-4C-alkyl, halogen or fluoro-1-4C-alkyl,

R6 is hydrogen,

R7 is hydrogen,

or a salt thereof

~~and its salts.~~

4. (Currently amended) A compound of the formula 1 as claimed in claim 1,

where

R1 is 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl or fluoro-1-4C-alkyl,

R2 is carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, amino-1-4C-alkyl, mono- or di-1-4C-alkylamino-1-4C-alkyl, the radical Res-1-4C-alkyl or the radical -CO-NR31R32,

where

Res is a imidazo, morpholino, aziridino, azetidino, pyrrolidino, pyrrolo, piperidino or piperazino



radical and the radical Res is bonded via its nitrogen atom or one of its nitrogen atoms to the 1-4C-alkyl radical,

R31 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R32 is hydrogen, 1-7C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

Ar is ~~one with~~ R4, R5, R6 and R7 substituted phenyl, wherein

R4 is hydrogen or 1-4C-alkyl,

R5 is hydrogen or 1-4C-alkyl,

R6 is hydrogen,

R7 is hydrogen,

or a salt thereof

~~and its salts.~~

5. (Currently amended) A compound of the formula 1 as claimed in claim 1,

where

R1 is 1-4C-alkyl,

R2 is carboxyl, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, amino-1-4C-alkyl, mono- or di-1-4C-alkylamino-1-

4C-alkyl, the radical Res-1-4C-alkyl or the radical -  
CO-NR31R32,

where

Res is a imidazo or morpholino radical and is bonded  
via its nitrogen atom or one of its nitrogen atoms  
to the 1-4C-alkyl radical,

R31 is 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R32 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-  
alkyl,

Ar is ~~one with~~ R4, R5, R6 and R7 substituted phenyl,  
wherein

R4 is hydrogen or 1-4C-alkyl,

R5 is hydrogen or 1-4C-alkyl,

R6 is hydrogen,

R7 is hydrogen,

or a salt thereof

~~and its salts.~~

6. (Currently amended) A compound of the formula 1 as  
claimed in claim 1,

where

R1 is 1-4C-alkyl,

R2 is carboxyl, 1-4C-alkoxycarbonyl or the radical -CO-  
NR<sub>31</sub>R<sub>32</sub>,

where

R<sub>31</sub> is 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R<sub>32</sub> is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-  
alkyl,

Ar is ~~one with~~ R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> substituted phenyl,  
wherein

R<sub>4</sub> is hydrogen or 1-4C-alkyl,

R<sub>5</sub> is hydrogen or 1-4C-alkyl,

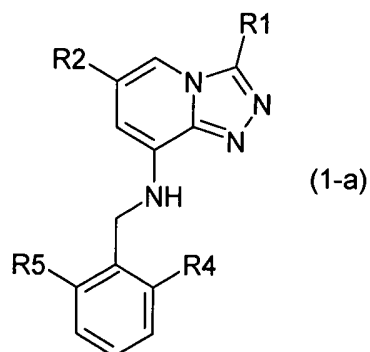
R<sub>6</sub> is hydrogen,

R<sub>7</sub> is hydrogen,

or a salt thereof

~~and its salts.~~

7. (Currently amended) A compound of the formula 1 as  
claimed in claim 1, characterized by the formula 1-a



where

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl or fluoro-1-4C-alkyl,

R2 is halogen, fluoro-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, carboxyl, cyano, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, amino-1-4C-alkyl, mono- or di-1-4C-alkylamino-1-4C-alkyl, the radical Res-1-4C-alkyl or the radical -CO-NR31R32,

where

Res is a imidazo, morpholino, aziridino, azetidino, pyrrolidino, pyrrolo, piperidino, piperazino or a with R30 substituted benzylamino radical and the radical Res is bonded via its nitrogen atom or one of its nitrogen atoms to the 1-4C-alkyl radical, where

R30 is 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen or hydroxy,

R31 is hydrogen, hydroxyl, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, piperidino, piperazino, N-1-4C-alkylpiperazino, morpholino, aziridino or azetidino group,

R4 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, halogen or fluoro-1-4C alkyl,

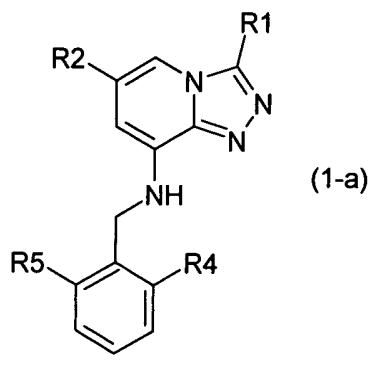
R5 is hydrogen, 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, halogen or fluoro-1-4C alkyl,

with the proviso that, in the case when R4 is not ethyl and R5 is not methyl, R1 does not have the meaning hydrogen or 1-4C-alkyl when R2 has the meaning halogen or fluoro-1-4C-alkyl,

or a salt thereof

~~and its salts.~~

8. (Currently amended) A compound of the formula 1 as claimed in claim 1, characterized by the formula 1-a ~~as claimed in claim 7,~~



where

R1 is 1-4C-alkyl,

R2 is carboxyl, 1-4C-alkoxycarbonyl or the radical -CO-NR31R32,

where

R31 is 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R32 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

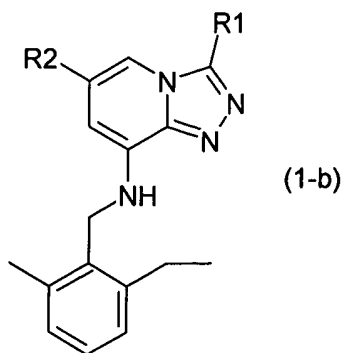
R4 is hydrogen or 1-4C-alkyl,

R5 is hydrogen or 1-4C-alkyl,

or a salt thereof

~~and its salts.~~

9. (Currently amended) A compound of the formula 1 as claimed in claim 1, characterized by the formula 1-b



in which

R1 is hydrogen, 1-4C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkyl-1-4C-alkyl or fluoro-1-4C-alkyl,

R2 is halogen, fluoro-1-4C-alkyl, 2-4C-alkenyl, 2-4C-alkynyl, carboxyl, cyano, 1-4C-alkoxycarbonyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkyl, 1-4C-alkoxy-1-4C-alkoxy-1-4C-alkyl, fluoro-1-4C-alkoxy-1-4C-alkyl, amino-1-4C-alkyl, mono- or di-1-4C-alkylamino-1-4C-alkyl, the radical Res-1-4C-alkyl or the radical -CO-NR31R32,

where

Res is a imidazo, morpholino, aziridino, azetidino, pyrrolidino, pyrrolo, piperidino, piperazino or a with R30 substituted benzylamino radical and the radical Res is bonded via its nitrogen atom or one of its nitrogen atoms to the 1-4C-alkyl radical, where

R30 is 1-4C-alkyl, hydroxy-1-4C-alkyl, 1-4C-alkoxy, 2-4C-alkenyloxy, 1-4C-alkylcarbonyl, carboxy, 1-4C-alkoxycarbonyl, carboxy-1-4C-alkyl, 1-4C-alkoxycarbonyl-1-4C-alkyl, halogen or hydroxy,

R31 is hydrogen, hydroxyl, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl and

R32 is hydrogen, 1-7C-alkyl, hydroxy-1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

or where

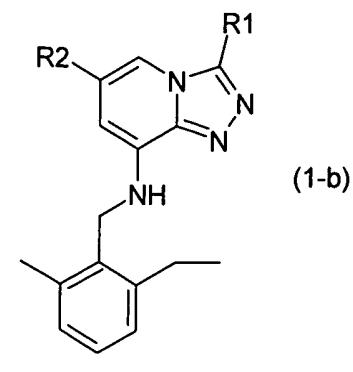
R31 and R32 together, including the nitrogen atom to which both are bonded, are a pyrrolidino, piperidino, piperazino, N-1-4C-alkylpiperazino, morpholino, aziridino or azetidino group,

or a salt thereof

~~and its salts.~~

10. (Currently amended) A compound of the formula 1 as claimed in claim 1, characterized by the formula 1-b as ~~claimed in claim 9,~~





where

R1 is 1-4C-alkyl,

R2 is carboxyl, 1-4C-alkoxycarbonyl or the radical -CO-  
NR31R32,

where

R31 is 1-4C-alkyl or 1-4C-alkoxy-1-4C-alkyl,

R32 is hydrogen, 1-4C-alkyl or 1-4C-alkoxy-1-4C-  
alkyl,

or a salt thereof

~~and its salts.~~

11. (Currently amended) A ~~medicament~~ pharmaceutical composition comprising a compound as claimed in claim 1 and/or a pharmacologically acceptable salt thereof, together with a pharmaceutically acceptable auxiliary and/or excipient ~~customary pharmaceutical auxiliaries and/or excipients.~~

12. (Currently amended) ~~The use of~~ A method of treating a gastrointestinal disorder in a patient comprising administering to a patient in need thereof a compound as claimed in claim 1, or a ~~and its~~ pharmacologically acceptable salt thereof ~~salts for the prevention and treatment of gastrointestinal disorders.~~